WTC - Exterior Wall to 9th Floor Schedules - Tower A.xls

FRAME-SPANDREL

SAP input for spandrels below 9th floor

FRAME-COLUMN

SAP input for Columns below 9th floor

SPANDREL TYPES

Spandrel type labels below 9th floor

SECTION – Section name used for SAP input
T – Thickness of plate where applicable
D – Depth of plate where applicable
I – Indicates I-section used instead of plate spandrel

Corner Spandrels are Channel sections, properties from SAP database

SAPSpandrel-prism

SAP input for prismatic spandrel sections below the 9th floor

SAPSpandrel-nonpr

SAP input for nonprismatic spandrel sections below the 9th floor

SAPCol-prism

SAP input for prismatic column sections below the 9th floor

SAPCol-box

SAP input for box column sections below the 9th floor

SAPCol-nonpr

SAP input for nonprismatic column sections below the 9th floor

To Elev 318

Column sections from original plans below Elev 318

Columns D thru W – Schedule from original drawings
Columns A thru C – Column numbers and types for reading into SAP input sheets

Elev 318 to 363

Column sections from original plans Elev 318 to 363

Column A – Column number
Columns B thru W – Schedule from original drawings

Above Elev 363

Column schedule from original plans

Spandrel,Strut&Bracing

Spandrel schedule from original plans below Elev 363

Spandrels Above Elev 363
Spandrel schedule from original plans above Elev 363

ColType B thru F
Column type schedule from original plans in tree region, selected section properties

Columns A thru U – Schedule from original drawings
Columns V thru AK – Section properties for input into SAP

ColType 1000,8000,2000
Column type schedule from original plans for types 1000, 8000, 2000

ColType 5000,6000,7000
Column type schedule from original plans for types 5000, 6000, 7000

CORNERColType
Column type schedule for corner columns above Elev 363

Column A – Column type names for SAP
Columns B thru G – Schedule from original plans
Columns H thru L – Misc properties

SAP FLOORS
Floor elevations from original plans and corresponding floors used in SAP model

WTC BLDG A4 - Exterior Panel Schedule.xls

Column
Exterior panel schedule from original plans

Spandrel
Exterior panel schedule from original plans

FRAME -SPANDREL
SAP input for spandrels between 10th and 107th floors

FRAM SECTION-READ

Column A – Floor number where spandrel type used in SAP model
Columns B thru M – SAP input for spandrels between 10th and 107th floors

FRAME SECTION-SPANDREL
SAP input for spandrel types between 10th and 107th floors

FRAME-COL
SAP input for columns between 10th and 107th floors

FRAME SECTION-COL
SAP input for column types between 10th and 107th floors

Panel Type
Panel type schedule from original plans (w/ typical elevation of panel)

Column Type 100
Column type schedule from original plans and section properties for SAP input and post-processing (w/ section)

Columns A thru H – Schedule from original plans
All other columns – Section properties calculated in sheet

Column Type 300
Column type schedule from original plans and section properties for SAP input and post-processing (w/ section)

Columns A thru H – Schedule from original plans (note: column types with "SL" indicate section c-c used for section properties in mechanical floors near sky lobbies)
All other columns – Section properties calculated in sheet

Column Type 400 and 500
Column type schedule from original plans and section properties for SAP input and post-processing (w/ section)

Columns A thru G – Schedule from original plans
All other columns – Section properties calculated in sheet

Misc
Table for converting panel numbers and column indicies from schedules into "real" column numbers for the model

WTC BLDG AB2 - Exterior Wall 107 to 110.xls

SPANDREL FRAME
SAP input for spandrels above the 107th floor

FRAME
SAP input for Columns above the 107th floor

FRAME SECTION
SAP input for frame sections

BLDG A
Column and spandrel from original plans for WTC 1

Column Number – Column number from plans
Floor-Upper – Floor at top of column
Floor-Lower – Floor at bottom of column
Column Type – Column Type (corresponds to column types from FRAME SECTION sheet)
Spandrel Type @ Upper Floor – Spandrel type at top of column
Spandrel Splice – Type of spandrel splice
FY – FY from original plans (Note: Fy=36ksi UNO)

BLDG B

Column and spandrel data from original plans for WTC 2

Column headings same as BLDG A sheet

COLUMN TYPES

Column type schedule from original plans and section properties for input into SAP

Column B – Section name used in SAP
Columns A and C thru M – Schedule from original plans
All other columns – Section properties calculated in sheet

SPANDREL TYPES

Spandrel type schedule from original plans and SAP input data

Column B – Section name used in SAP
Columns A and C thru E – Section data from original plans
Column F – Offset value for rigid link in SAP